CLAIMS

Claim 1 (Currently Amended): A needlestick prevention device for an injection device [[(1)]] having a hollow needle (2) comprises, comprising: a sheath having a first member [[(9)]] for attachment to the injection device [[(1)]] and a second member [[(10)]] slidable longitudinally relative to the first member [[(9)]] to expose or to cover the needle [[(2)]], and spring means (11) biassing biasing the second member [[(10)]] to cover the needle [[(2)]], the first and second members (9,10) having interengaging guide means [[(13)]] and locking means [[(14)]], characterised in that the guide means [[(13)]] include a first guide part [[(23)]] operative to allow free longitudinal sliding movement of the second member [[(10)]] relative to the first member [[(9)]], and a second guide part [[(24)]] operative on movement by manual relative rotation of the first and second members (9,10) and following release of a force urging the second member [[(10)]] to expose the needle [[(2)]], in which the spring means [[(11)]] urges the second member [[(10)]] to cover the needle [[(2)]] and to operate the locking means [[(14)]] to retain the second member [[(10)]] covering the needle [[(2)]].

Claim 2 (Currently Amended): A needlestick prevention device according to claim 1, in which the guide means [[(13)]] comprises at least one groove means [[(15)]] on one of the first and second members (9,10), and a corresponding projection [[(17)]] on the other of the members which slides in the groove means [[(15)]].

Claim 3 (Currently Amended): A needlestick prevention device according to claim 2, in which two groove means [[(15)]] and projections [[(17)]] are provided, arranged in diametral opposition.

Claim 4 (Currently Amended): A needlestick prevention device according to any preceding claim, claim 1, in which the second member [[(10)]] slides inside the first member [[(9)]].

Claim 5 (Currently Amended): A needlestick prevention device according to elaim 4 claim 2, in which the or each groove means [[(15)]] is provided on the

radially exterior surface of the second member [[(10)]] and the or each projection, [[(17)]] on the radially interior surface of the first member [[(9)]].

Claim 6 (Currently Amended): A needlestick prevention device according to any preceding claim, claim 1, in which in the or each guide means [[(13)]] the first guide part comprises a first groove [[(23)]] extending longitudinally of the second member [[(10)]].

Claim 7 (Currently Amended): A needlestick prevention device according to any preceding claim, claim 1, in which the second guide part comprises a second groove [[(24)]] extending longitudinally of the second member [[(10)]].

Claim 8 (Currently Amended): A needlestick prevention device according to claim 6 and claim 7, in which the second groove [[(24)]] is parallel to the first [[(23)]], and spaced from it such that a relative rotation of 30° of the members (9,10) will move the projection [[(17)]] from the first groove [[(23)]] into the second groove [[(24)]].

Claim 9 (Currently Amended): A needlestick prevention device according to claim 7 or claim—8, in which the locking means comprises a permanent locking recess [[(33)]] formed as part of the second groove [[(24)]], in which the projection [[(17)]] is received.

Claim 10 (Currently Amended): A needlestick prevention device according any of elaims 6 to 9, claim 9, in which the first groove [[(23)]] is provided with a temporary locking recess [[(30)]] in which the projection [[(17)]] is received.

Claim 11 (Currently Amended): A needlestick prevention device according to claim 10, in which in the temporary locking position the second member [[(10)]] is slightly less extended from the first member [[(9)]] than in the permanent locking position.

Claim 12 (Currently Amended): A needlestick prevention device according to any of claims 2 to 11, claim 2, in which the or each groove means [[(15)]] has a further longitudinal groove [[(25)]] with an initial locking recess [[(38)]].

Claim 13 (Currently Amended): A needlestick prevention device according to any of claims 2 to 12, claim 2, in which the grooves (23, 24, 25) and projections [[(17)]] are so shaped as to allow relative rotation of the first and second members (9, 10) in only one direction.

Claim 14 (Currently Amended): A needlestick prevention device according to claim 13, in which the grooves (23, 24, 25) have one radial wall [[(27)]] and one curved wall [[(28)]], with the projections [[(17)]] being of complementary shape.

Claim 15 (Currently Amended): A needlestick prevention device according to any preceding claim, claim 1, in which the spring means comprises a compression spring [[(11)]] acting between the inner end of the second member [[(10)]] and an abutment [[(44)]] on the first member [[(9)]].

Claim 16 (Currently Amended): A needlestick prevention device according to claim 15, in which the spring [[(11)]] also provides an additional locking mechanism when the second member [[(10)]] is in its permanent locking position.

Claim 17 (Currently Amended): A needlestick prevention device according to claim 16, in which the additional locking mechanism comprises an oversize turn [[(45)]] of the spring [[(11)]], adapted to be received in a radial groove [[(46)]] in the first member [[(9)]] when the second member [[(10)]] is in its permanent locking position.

Claim 18 (Currently Amended): A needlestick prevention device according to claim 17, in which the spring [[(11)]] is also arranged so that the oversize turn [[(45)]] tends to enlarge on relative rotation of the two members (9, 10).

Claim 19 (Currently Amended): A needlestick prevention device according to any preceding claim, claim 1, in which the injection device is a syringe [[(1)]] additionally comprising a barrel [[(6)]].

Claim 20 (Currently Amended): A needlestick prevention device according to claim 19, in which the first member [[(9)]] is attached to the syringe [[(1)]] by a luer slip connection to a hub [[(7)]] at the forward end of the syringe barrel [[(6)]].

Claim 21 (Currently Amended): A needlestick prevention device according to claim 19, in which the first member [[(9)]] is attached to the syringe [[(1)]] by a luer lock connection to a hub [[(7)]] at the forward end of the syringe barrel [[(6)]].